

Traffic Council

Thursday, November 20, 2008

Agenda

- 1. Requesting two STOP signs on Waban St at Hovey Street
 - # TC 49- 08
- 2. Requesting to change parking restrictions on Woodland Road
 - # TC 45- 08
- 3. Requesting to change existing parking restrictions on Windermere Rd between Woodland Road and Commonwealth Ave to resident sticker parking
 - # TC 47 - 08
- 4. Requesting to add two hour parking restriction on Bourne St
 - # TC 52- 08
- 5. Requesting to add parking restrictions on Evergreen Street and Oakland Ave
 - # TC48- 08
- 6. Requesting a truck exclusion on Grove Street between Route 128 and Washington Street
 - # TC 50-08
- 7. Requesting a discussion of pedestrian crossing on Washington St WB at the merge with Park St and Centre Ave
 - # TC 51-08
- 8. Discussion of residential handicapped parking space guidance

1. Requesting two STOP signs
on Waban St at Hovey Street

TC 49 - 08

All-way STOP signs

Waban Ave and Hovey St



Waban St/Hovey St



Waban St at Hovey St

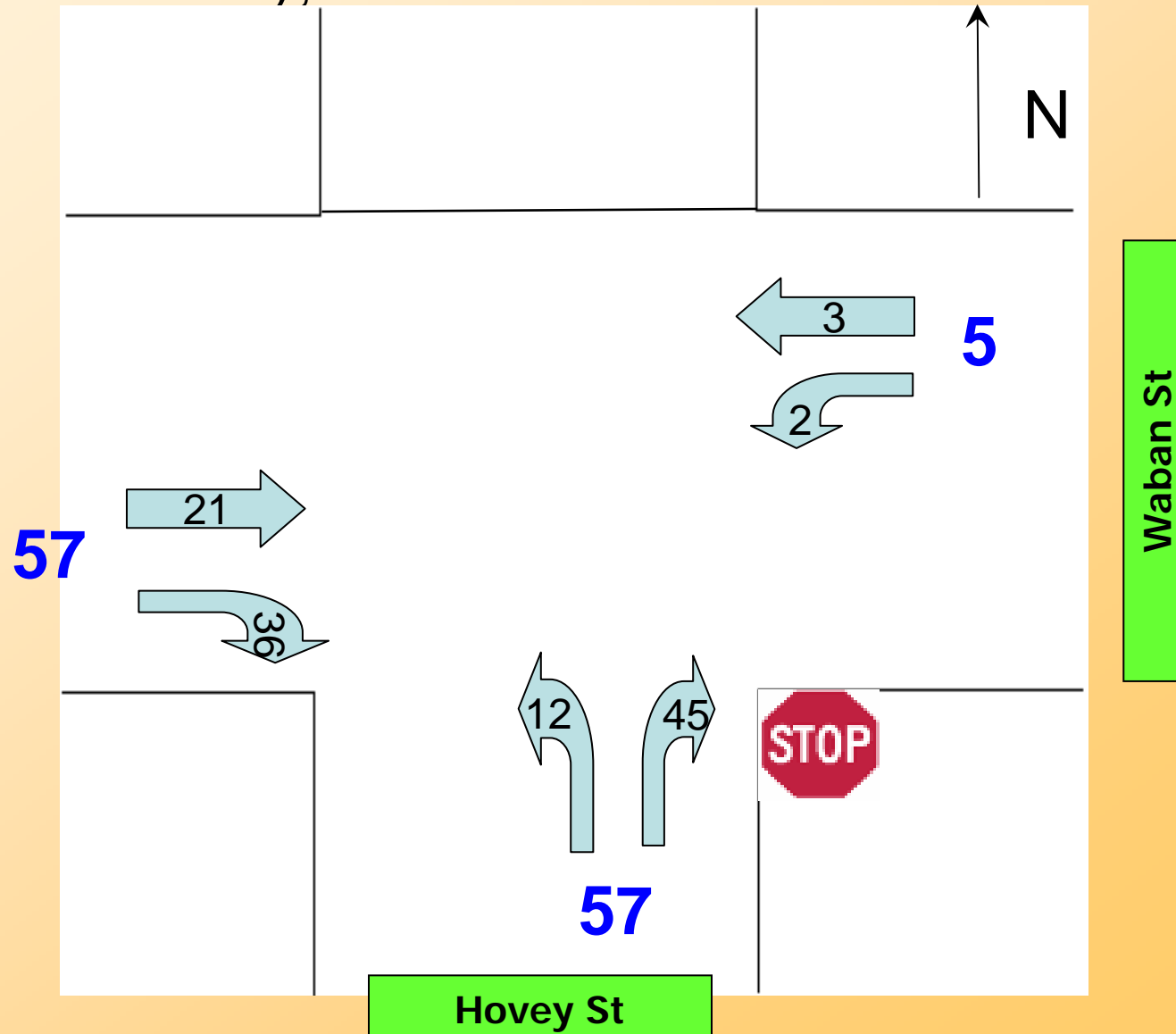


Hovey St at Waban St

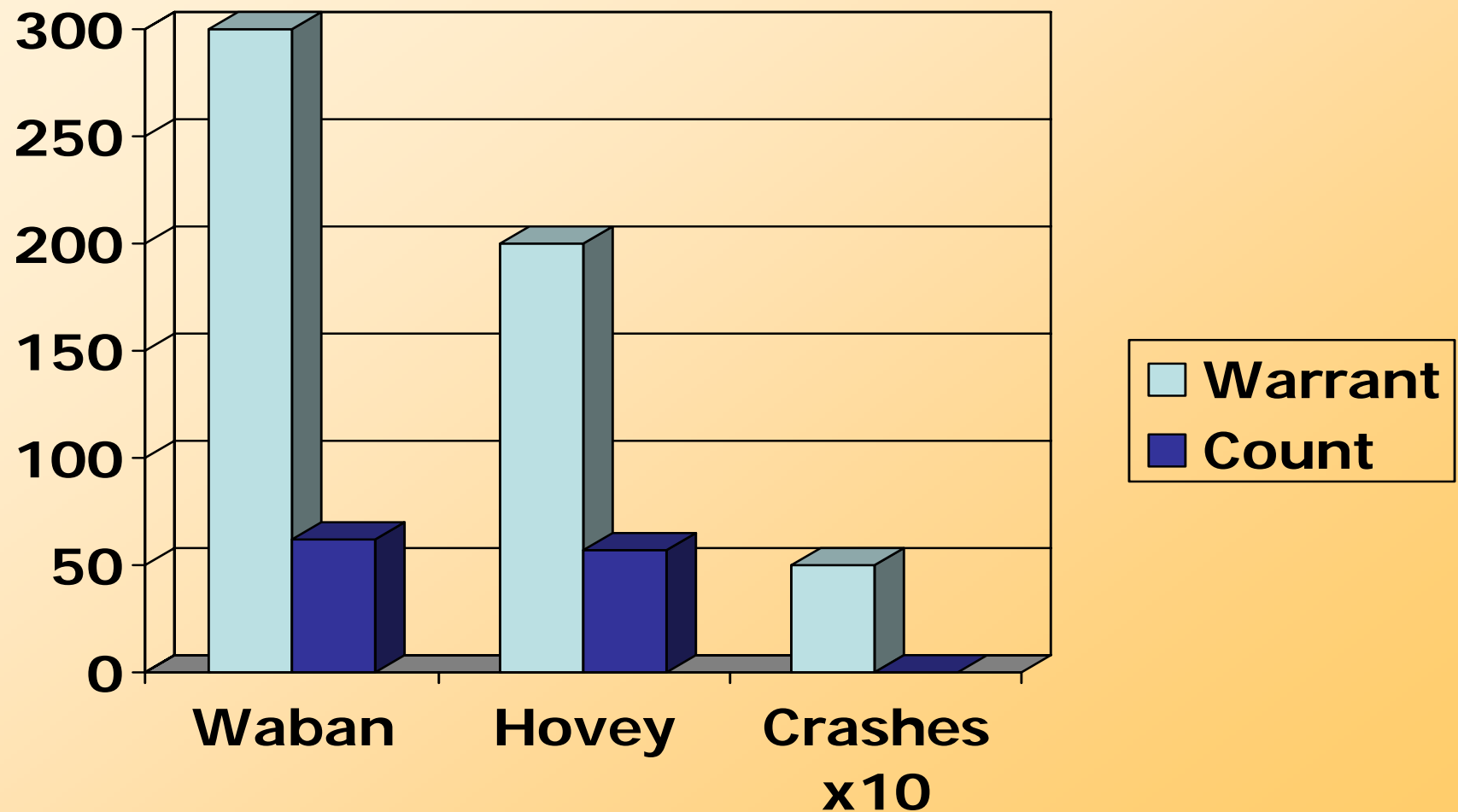


Waban St/Hovey St

Thursday, 11/13/2008 --- 7:30 AM – 8:30 AM



Waban and Hovey Hour Traffic Volumes



Field Observations and Conclusions

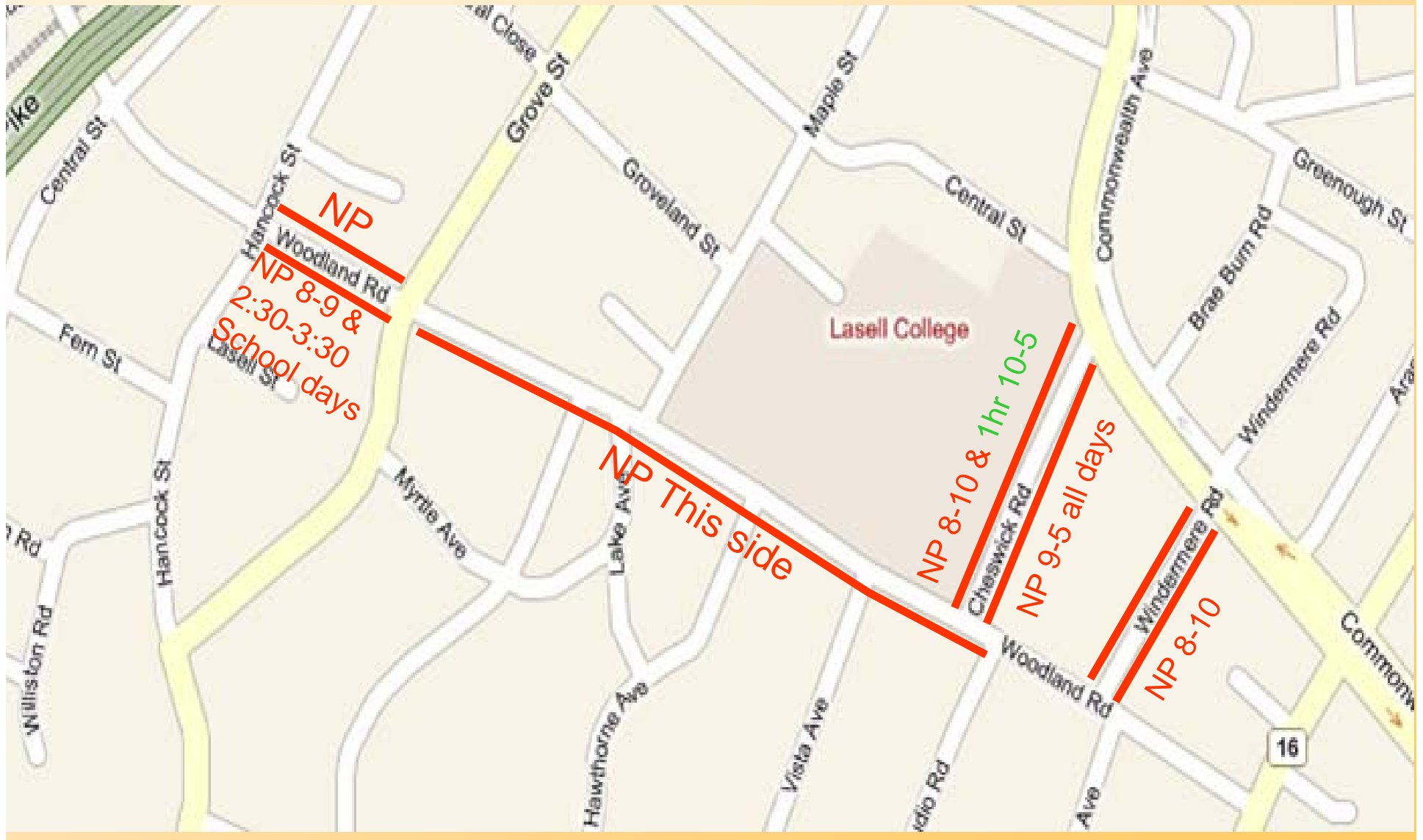
- There was no accidents in the past three years
- Sight lines are adequate
- Traffic volume is light
- STOP sign compliant rate is fairly good on Hovey St
- Multi-STOP sign warrants are not met
- The right-of-way is clearly defined
- Recommend keep the STOP sign on Hovey St at Waban and not add more STOP signs on Waban St

2. Requesting to change parking restrictions on Woodland Road (Central St – Windermere Rd)

TC 45-08

Parking study

Woodland Avenue



Woodland Road (Central St- Hancock St)



Woodland Rd (Hancock – Grove)



Woodland Rd (Grove-Windermere Rd)



Parking survey

Time/Date	Woodland Road (Central – Hancock)	Woodland Road (Hancock – Grove)	Woodland Road (Grove – Windermere)
11/06/08 7:30 AM	0	0	0
11/10/08 1:00 PM	0	0	0
11/13/08 8:30 AM	0	0	0
11/14/08 2:00 PM	1	0	0
11/17/08 10:00 AM	0	0	0
11/18/08 9:30 AM	0	0	0
11/20/08 8:00 AM	0	0	0

Field Observations and Conclusions

- There are some parking restrictions on the street on south side of Woodland Road
- There is no demand for on-street parking now
- Special event parking issues?
- Observed some parking near the Church at the corner of Hancock St and Woodland Rd
- Recommend to keep the current parking pattern

3. Requesting to change existing parking restrictions on Windermere Rd between Woodland Road and Commonwealth Ave to resident sticker parking

TC 47-08

Resident sticker parking study

Windermere Road





Parking survey

Time/Date	Windermere Road west side	Windermere Road east side
11/06/08 7:40 AM	1	0
11/10/08 1:20 PM	1	0
11/13/08 8:40 AM	0	1
11/14/08 2:10 PM	1	1
11/17/08 10:10 AM	0	0
11/18/08 9:40 AM	0	1
11/20/08 7:50 AM	1	0

Field Observations and Conclusions

- Both sides of the street are restricted for no parking between 8:00AM to 10:00AM
- On-street parking is very low
- The parking survey shows that there is no demand for on-street long-term parking
- On-street parking is available if residents want to park on the street
- Recommend to keep the existing parking restriction on the street and not to add residential parking

4. Requesting to add two hour parking restriction on Bourne St

TC 52-08

Parking study

Bourne Street



Bourne Street



Parking survey

Time/Date	Bourne Street west side	Bourne Street east side
11/06/08 7:15 AM	0	2
11/10/08 2:00 PM	2	9
11/13/08 7:40 AM	1	4
11/14/08 12:10 PM	2	6
11/17/08 10:10 AM	0	3
11/18/08 9:40 AM	0	2
11/20/09 8:20 AM	0	0

Field Observations and Conclusions

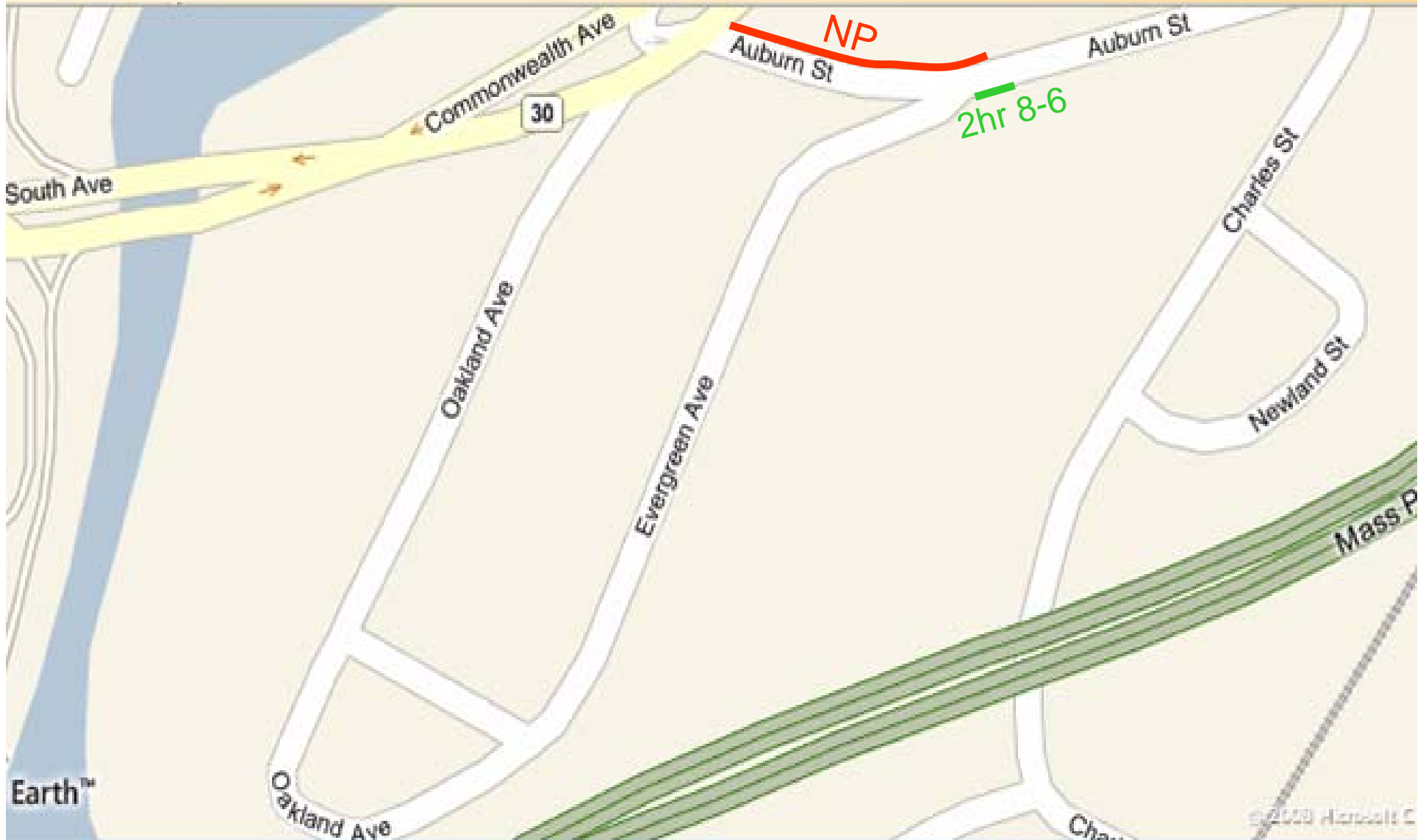
- Some cars park on the street and many of the cars belong to the resident's
- There is no major business and commercial interests attracting for long term parking in the vicinity
- The street is a dead-end street and carries no through traffic
- Recommend not add parking restrictions on both side of the street

5. Requesting to add parking restrictions on Evergreen Ave and Oakland Ave

TC 48-08

Parking study

Oakland Ave and Evergreen Ave



Auburn St at Evergreen



Auburn Street facing east



Auburn St in front of Gas Station



Evergreen Avenue



Oakland Avenue



Parking survey

Time/Date	Evergreen Street	Oakland Avenue
11/06/08 7:55 AM	1	0
11/10/08 2:30 PM	1	2
11/13/08 8:00 AM	3	2
11/14/08 1:00 PM	1	3
11/17/08 10:50 AM	2	1
11/18/08 10:40 AM	4	2
11/20/08 8:30 AM	3	1

Field Observations and Conclusions

- The gas station on the corner of Auburn/Comm. Ave is under construction
- Currently all parking on street is related to the construction
- The parking study indicates there is little on-street parking demand on Oakland and Evergreen on the sections further away from Auburn St
- Both of Evergreen and Oakland carry little cut through traffic
- The width of the streets are wide enough to take residential parking
- Any future parking problems can be dealt with after the gas station is in business
- Recommend to take no actions at current time

6. Requesting a truck exclusion on Grove Street between Route 128 and Washington Street

TC 50-08 (33-02)

Truck exclusion study

Grove St west of Rt. 128



Traffic Counts and findings

- The piece of Grove Street under study is about 0.5 mile between Washington Street and Rt. 128
- The zoning of the study section is residential
- There is no traffic signal lights within the study section
- A 48 hours traffic count was done on 11/12/08, Tuesday - 11/13/08, Wednesday
- Average daily traffic volumes: WB= 2000 EB =2700
- Daily truck volumes: WB=0.6% (12 trucks)
EB = 0.2% (6 trucks)
- Trucks counted in the study went through Grove Street during daytimes (7:00AM-8:00PM)

Mass General Laws

Under Massachusetts General Laws, an engineering study of the road is required before a truck exclusion and can be implemented. The following data is requisite to substantiate the need for a truck exclusion in accordance with Section 10 A-9.

- A.** A twenty-four hour consecutive count of all vehicles using the subjective street. (If the exclusion is requested for only twelve hours, a twelve-hour count will suffice.) The count shall be broken into one-half hour intervals showing:
 - 1. Commercial vehicles with a carrying capacity over 2 1/2 tons.
 - 2. Other vehicles.
- B.** Map of the area, with the excluded street marked in red, the alternate route in green.
- C.** Physical characteristics of the excluded and alternate streets in question, i.e., length, width, type and condition of surface sidewalks.
- D.** Types of buildings or property abutting street (residential, business, school, playground, etc.)
- E.** Zoning of street (Residential, Industrial, etc.)
- F.** Proximity of probable alternate route to the proposed excluded route and the additional distance to be traveled using the alternate route.
- G.** Types of control existing on street.
- H.** Hours during which exclusions is to be in effect.
- I.** A written statement from the municipality as to the need for the exclusion.

According to the law, a truck exclusion from a municipal way may be authorized provided; a suitable alternate route within the same municipality is designated by the municipal body. The alternate route shall have an effective width and pavement structure, which can safely accommodate the additional truck traffic.

A comprehensive engineering study, as outlined in the Department Standard Operating Procedures must be made. In addition to the above, one or more of the following may be sufficient justification for a truck exclusion:

WARRANT ASSESSMENT

- Warrant 1A - (requiring 5-8% of the total traffic volume to be heavy commercial vehicles) or
- Warrant 1B - (indicating that condition where the pavement structure can not take continual heavy wheel levels) can be met and only
- Warrant 1C - is applicable. This is where the land use is primarily residential in nature and the municipality has requested an exclusion during hours of darkness.

Conclusions

- Truck volumes do not meet the warrants
- The roadway pavement is in a fairly good condition
- A night time truck exclusion will have no impact to the street since no trucks went through the street during night time
- Recommend not to apply truck exclusion permit to the State

7. Requesting a discussion of
pedestrian crossing on
Washington St WB at the merge
with Park St and Centre Ave

TC 51-08

Pedestrian crossing

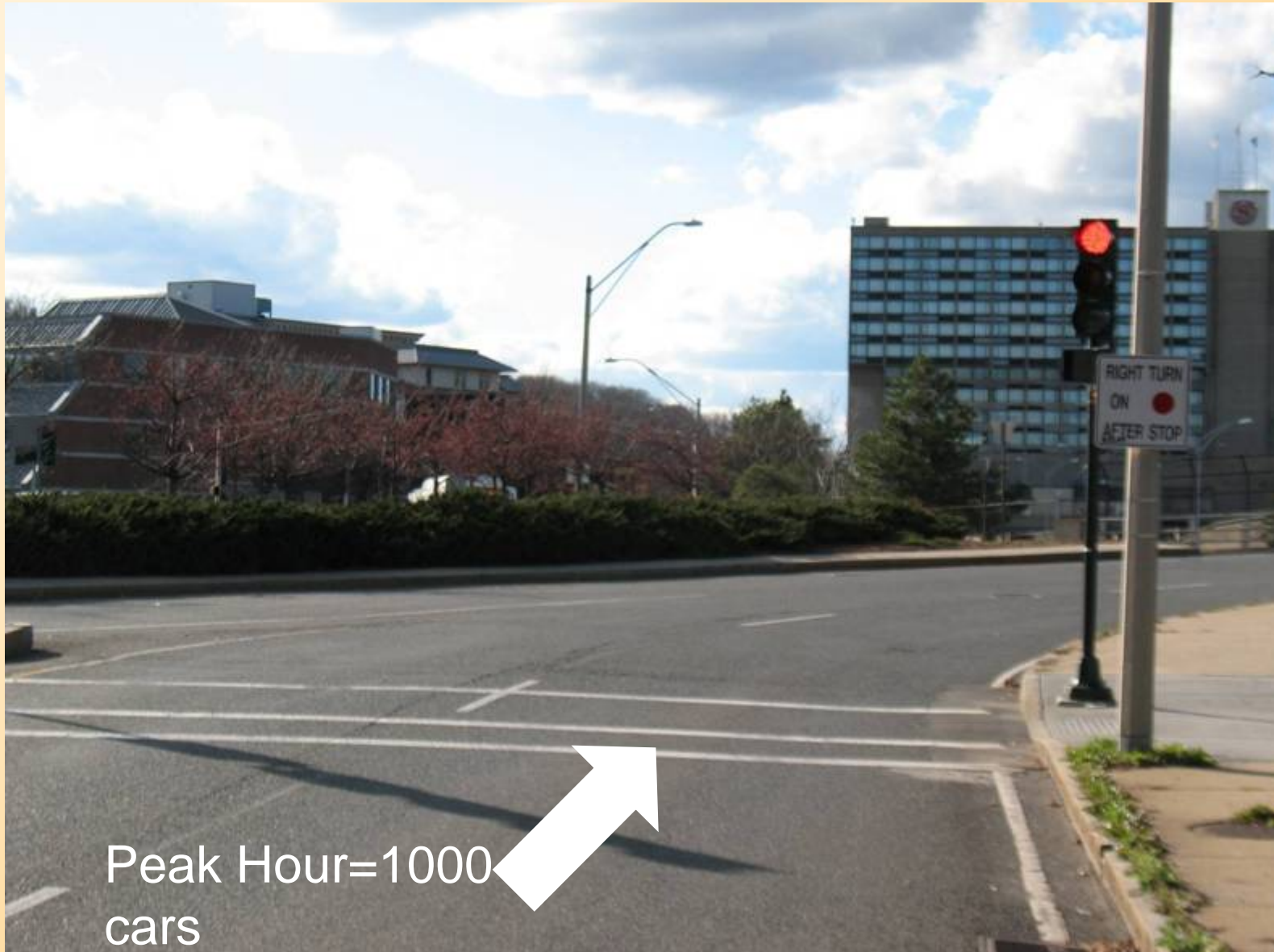
On the ramp before the studied
crosswalk location



The crosswalk



The crosswalk



8. Discussion of residential handicapped parking space guidance